



January 10, 2012  
Project No. 8128.01.08

Mr. Dana Bayuk  
Oregon Department of Environmental Quality  
2020 SW 4th Avenue  
Portland, Oregon 97201-4987

Re: Monthly Progress Report—December 2011  
Siltronic Corporation  
7200 NW Front Avenue, Portland, OR  
ECSI #183

Dear Dana:

Maul Foster & Alongi, Inc. (MFA) has prepared this progress report (Report) in accordance with the requirements of the *Order Requiring Remedial Investigation (RI) and Source Control Measures* (the Order), Oregon Department of Environmental Quality (DEQ) No. VC-NWR-03-16, issued to Siltronic Corporation (Siltronic) on February 9, 2004. The reporting period for this Report is December 1, 2011, through December 31, 2011. The next report is due February 10, 2012.

The report organization follows that of the previous progress reports.

## **ACTIONS TAKEN UNDER THE ORDER SINCE THE PREVIOUS PROGRESS REPORT**

### **Communications and Submittals**

On December 7, 2011, DEQ provided a response to Siltronic's September 30, 2011 comments regarding the NW Natural Revised Groundwater Source Control Interim Design Report (May, 2011).

On December 13, 2011, DEQ approved the August 19, 2011 proposed revision to the performance monitoring schedule, contingent upon confirmation of certain conditions. MFA provided confirmation on December 22, 2011.

### **Fieldwork**

Group 1, 2, and 3 PMW monitoring and supplemental injection zone groundwater monitoring continued through December.

Monthly water levels were collected on December 6, 2011. The monthly water levels are included in the attached MS Excel file.<sup>1</sup>

Measurements of dense, non-aqueous phase liquid (DNAPL) from former manufactured gas plant (MGP) operations were collected in selected Group 1 and 2 PMWs on December 19 and 20, 2011. MGP DNAPL was measured in the following PMWs using an interface probe:

- WS-33-81: thickness 1.9 ft., measured on December 20.
- WS-43-36: thickness 8.5 ft., measured on December 19.
- WS-15-85: thickness 4.5 ft., measured on December 20.

Samples of MGP DNAPL were collected and submitted for analysis.

### **Actions to Be Taken in the Next Two Months**

Groundwater elevations and DNAPL screening will be collected in January and February, 2012. Performance monitoring consistent with the revised performance monitoring program will continue in January and February.

### **TEST RESULTS AND DATA RECEIVED SINCE THE PREVIOUS PROGRESS REPORT**

Some of the data received through the December 2011 reporting period has been received but validation is not yet complete. Consistent with DEQ comments, the content and format of data submittal memoranda evaluating these data will be developed following DEQ review of the updated and revised PMP. The attached (electronic only) MS Excel data file contains all PMW and quarterly monitoring data received through the end of the reporting period (December 31, 2011).

RAO 1 for the source area has been met in all of the Group 1 and 2 PMWs.

### **PROBLEMS EXPERIENCED SINCE THE PREVIOUS PROGRESS REPORT**

No additional problems were experienced.

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<sup>1</sup> Includes monthly water levels from January-December 2011; water levels from preceding years have previously been submitted.

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Please call either of us at (971) 544-2139 if you have questions or comments.

Sincerely,

Maul Foster & Alongi, Inc.



James G.D. Peale, RG  
Senior Hydrogeologist



Ted Wall, PE  
Principal Engineer

Attachments: Groundwater Data Received through Reporting Period and Water Level  
Data—MS Excel file (electronic only)

cc: Tom McCue, Siltronic Corporation  
Alan Gladstone, Davis Rothwell Earle and Xochihua  
Chris Reive, Jordan Schrader Ramis  
Jim Anderson, DEQ  
Kristine Koch, EPA  
Sean Sheldrake, EPA Seattle  
Rene Fuentes, EPA Seattle  
Chip Humphrey, EPA Portland  
Lance Peterson, CDM  
Bob Wyatt, NW Natural  
Patty Dost, Pearl Legal Group LLC  
John Edwards, Anchor QEA LLC  
Carl Stivers, Anchor QEA LLC  
Rob Ede, Hahn and Associates, Inc.  
Tom Gainer, DEQ  
Henning Larsen, DEQ  
Matt McClincy, DEQ